

We Claim:

1. A bacteria-shuttle vector comprising a yeast replication origin, a yeast selection marker gene, a bacteria replication origin, a bacteria selection marker gene and at least one unique cloning site, wherein said bacterial replication origin is selected from the group consisting of P1 replicon and F factor origin of replication.

2. The vector of claim 1, wherein the yeast replication origin is selected from the group consisting of an autonomous replicating sequence (ARS) and a yeast centromere (CEN).

3. The vector of claim 1, wherein the yeast selection marker gene comprises a gene encoding an auxotrophic markers.

4. The vector of claim 3, wherein the auxotrophic marker is a gene selected from the group consisting of LEU2 gene, HIS3 gene, TRP1 gene, URA3 gene, ADE2 gene and LYS2 gene.

5. The vector of claim 1 wherein the yeast selection marker gene comprises a gene encoding protein conferring drug resistance on a host cell.

6. The vector of claims 5 wherein the drug resistance gene is selected from the group consisting of CAN1 and CYH2.

7. The vector of claim 1 wherein the F factor origin of replication comprises mini F factor replicon.

8. The vector of claim 1, wherein the bacterial selection marker genes comprises genes conferring antibiotic resistance, said antibiotic selected from the group consisting of kanamycin, ampicillin, tetracycline, Zeocin, neomycin, chloramphenicol and hygromycin.

9. The vector of claim 1, wherein the vector is pCLASPER.

10. A host cell containing the vector of claim 1.

11. A host cell containing the vector of claim 9.

12. The host cell of claim 10, wherein said host cell is *E.coli*.

13. The host cell of claim 10, wherein said host cell is yeast.